


IN THE SPECIFICATION:

In accordance with 37 C.F.R. § 1.121, please substitute for following paragraphs, the following rewritten versions of the same paragraphs, as amended. The changes are shown explicitly in the attached "Versions with Markings to Show Changes Made."



[0001] (6) Because various kinds of optical modules are needed for different light beam pitches, stocking them creates a problem, and the cost for the metallic die assemblies is therefore high. For instance, if the light beam pitches include 15 mm and 20 mm, a separate metallic die assembly is needed for each of them. If the light beam pitches include 15 mm and 30 mm, and a 30 mm pitch is achieved by using the 30 mm pitch optical module by enabling only every second light beam, there are unused optical components (such as lenses) between each pair of adjacent light beams that are used, and the cost for the unused optical components will be wasted.

[0002] A second object of the present invention is to provide a light curtain generating device which can readily adapt itself to each particular application at low cost.

[0003] A third object of the present invention is to provide a light curtain generating device which can readily adapt itself to the desired length of the detection area in a highly precise manner.

[0004] When connecting a plurality of circuit boards, to ensure the accuracy in the pitch, it is necessary to join the adjacent circuit boards without any break between them.

According to the illustrated embodiment, it is accomplished by properly arranging flat cables and associated connectors. As shown in the enlarged view of Figure 10, a connector 84a is attached to an extreme edge portion of the master light beam circuit board 84, and a connector 87a is mounted on a corresponding slave light beam circuit board 84 at a position